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TEAMS Enterprise Unit

Watershed, Stream Channel, and Riparian Restoration Services



**Forest Service
TEAMS Enterprise Unit**

Resurrection Creek Stream Restoration

Chugach National Forest, Alaska

Resurrection Creek, located on the Kenai Peninsula, was home to the Alaska Gold Rush in the late 1800s. Years of extensive mining caused the stream to have an unnatural and constrained bed that decimated miles of fish habitat and prevented streamside vegetation from growing.

Hydraulic plants were introduced in the early 1900s and continued through the beginning of World War II, causing damage to the stream's overall quality.

The Chugach National Forest asked TEAMS Enterprise staff to design, plan, and oversee the stream restoration project.

The watershed restoration team moved numerous constricting tailings that were in place for the better part of a century. They reconstructed the stream channel and floodplain, resulting in vastly improved habitat for five species of native salmon.

TEAMS planning and innovative restoration efforts repaired and transformed this damaged stream to one that provides healthy salmon habitat.



Before restoration, mountains of mining tailings piled up to 30 feet high along the streambed.



After restoration of Resurrection Creek
Kenai Peninsula, Alaska

TEAMS can provide a quick response to meet your watershed needs.

Daves Creek and Tern Lake Fish Passage Restoration Project

Chugach National Forest, Alaska

TEAMS Enterprise provided the plan design and construction oversight to replace a juvenile fish barrier culvert (right) with a bridge (below) that provided passage to salmon spawning in the Tern Lake tributaries and Daves Creek.



This culvert prevented juvenile fish from migrating into Tern Lake.

The Daves Creek portion of this immense project included contouring 17 acres of floodplains; creating new channels; restoring 2,000 feet of stream; and, finally, bringing in vegetation, large woody debris, and topsoil. Restoration efforts now provide high-quality habitat for the fish in these waterways.

A new bridge at the Tern Lake outlet of Daves Creek now allows juvenile salmon to move freely upstream.



management project needs.

TEAMS Enterprise Offers Expertise in...

- National Environmental Policy Act (NEPA) planning
- Analysis, design, and implementation services for stream channel, watershed, and riparian restoration
- Hydraulic and Endangered Species Act (ESA) permitting and consultation
- Wetlands delineation
- Natural resource inventories and analysis
- Watershed analysis and restoration prioritization
- Flood damage assessment and project prioritization
- Stream crossing and fish passage assessments, including surveys, planning, design, implementation, and restoration
- Erosion control mitigation and restoration design, development, and contract implementation
- Civil engineering road system assessments, planning, design, and implementation
- Design of best management practices for implementation and monitoring programs for all aspects of watershed management
- Fuels reduction and fire protection and insect and disease management
- Forest management contract preparation, administration, inspection, and vegetation and stewardship management

TEAMS has received a number of awards as well as regional, national, and international acclaim for their large-scale watershed restoration designs and innovations.

TEAMS Enterprise wants to hear about your restoration project. We are equipped and available to tackle even the most challenging projects.